

Appl. No. 10/062,950

AMENDMENTS TO THE CLAIMS

1. (Original) A headphone amplifier comprising:
 - a housing having a first side;
 - an audio signal input jack, an audio signal output jack, an on/off switch and a volume control positioned on said first side of the housing;
 - a circuit board positioned inside of the housing;
 - a battery compartment positioned inside of the housing and separated from said circuit board by a barrier;
 - a first channel audio amplification circuit positioned on a first side of the circuit board and adapted to amplify a first channel audio input signal;
 - a second channel audio amplification circuit positioned on a second side of the circuit board adapted to amplify a second channel audio input signal;
 - the first channel circuit adapted to receive the second channel audio input signal and to amplify the second channel input signal to a predetermined degree of amplification less than the amplification of the first channel input signal;
 - the second channel circuit adapted to receive the first channel audio input signal and to amplify the first channel input signal to a predetermined degree of amplification less than the amplification of the first channel input signal.
2. (Original) The headphone amplifier of claim 1 further including:
 - a power supply circuit coupled with said first channel audio amplification circuit;
 - said power supply circuit being mounted on said circuit board.
3. Cancelled
4. Cancelled
5. Cancelled

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6. (New) A headphone amplifier as defined in claim 2 wherein said circuit board has top and bottom surfaces, and said circuits comprise two groups of components, a first group of larger components and a second group of smaller components, said larger components being mounted on said top surface and said smaller components being mounted on said bottom surface for compactness of the amplifier.